CEM Program Overview

- Approximately 12 classes per semester
  - Management
  - Codes and Standards
  - Energy
  - Hands-on Training

- Approximately 400 students per semester
  - One full-time Instructor
  - Eighteen Adjunct Instructors
  - Two Lab Assistant Instructors

QUESTIONS?? Contact CEM Program Chair:
Chuck Mornard, chmornar@cabrillo.edu
(831) 479-6235
CEM Areas of Concentration

- Construction Management
- Building Inspection and Construction Codes
- Energy Management (our current focus)
- Construction Skills
CEM DEGREES

- Building Inspection and Construction Codes
  - AS Degree – 60 Units

- Construction and Energy Management
  - AS Degree – 60 Units

- Proposed – Energy Management – Fall 2013?
  - AS Degree – 60 Units
  - Certificate of Achievement – 28 Units
  - Skills Certificate in Basic Energy Management – 13 units
  - Skills Cert. in Solar Derived Energy Mgmt. – 12 units
  - Skills Cert. in Building Performance Energy Mgmt – 12 u.
Typical Energy Management Classes:

- Passive Solar Design & Construction
- Solar Photovoltaic – Solar Derived Electricity
- Solar Thermal – Solar Derived Hot Water & Space Heating
- Building Science – Safe, healthy, energy efficient and durable buildings
Passive Solar Design & Construction

1. Orientation
2. Glazing
3. Thermal Mass
4. Shading
5. Building Science
6. Etc
Solar Photovoltaic - Solar Derived Electricity
Solar Thermal - Solar Derived Hot Water and Space Heating
Building Science - Safe, healthy, energy efficient, and durable buildings
Classes started Fall 2012

LEED* (Leadership in Energy and Environmental Design) certified at Platinum (highest) level

* A nationally accepted Building Rating System for the design, construction and operation of high performance green buildings.